

WHAT IS CLAIMED IS:

1. A magnetic head formed with a pair of magnetic core halves fitted to abut on each other having a nonmagnetic gap therebetween and having a slide contact plane for slide contact with a magnetic recording medium on which an end face of the nonmagnetic gap and the magnetic core halves, wherein:
 - 10 a nonmagnetic portion formed by filling a glass material is provided at an end portion of the slide contact plane outer than the end face of the magnetic core halves on the slide contact plane.
- 15 2. The magnetic head according to Claim 1, wherein the nonmagnetic portion extends to an edge of the slide contact plane.
- 20 3. The magnetic head according to Claim 1, wherein a magnetic material homogeneous with the magnetic core halves at a further end portion outer than the nonmagnetic portion on the slide contact plane.
- 25 4. The magnetic head according to any one of Claim 1, Claim 2 and Claim 3, further comprising a coil winding portion on which a coil wire is wound in a direction substantially parallel to the slide contact plane, wherein the nonmagnetic portion has a depth from the slide contact plane in a direction substantially orthogonal to the slide contact plane extends to the coil winding portion.
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5. The magnetic head according to any one of Claims 1 to 4, wherein the nonmagnetic portion has a slope non-parallel to a gap abutting plane in the pair of the magnetic core halves.

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6. The magnetic head according to any one of Claims 1 to 5, wherein the glass material filled in the nonmagnetic portion has a composition same as a glass material used for bonding the pair of magnetic core halves and for a track width regulating groove for regulating a track width of the nonmagnetic gap.

7. A manufacturing method of a magnetic head formed with a pair of magnetic core halves fitted to abut on each other having a nonmagnetic gap therebetween and having a slide contact plane for slide contact with a magnetic recording medium on which an end face of the nonmagnetic gap and the magnetic core halves, comprising the steps of:

20 forming a groove at an end portion of the slide contact plane outer than the end face of the magnetic core halves on the slide contact plane; and

forming a nonmagnetic portion by filling a glass material into the groove.

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8. The manufacturing method of a magnetic head according to Claim 8, wherein a surface roughness of a side plane of the groove is 50nm or less.